

---

---

# The Lichenologist

---

---

AN INTERNATIONAL JOURNAL  
EDITED FOR THE  
BRITISH LICHEN SOCIETY

BY

D. L. HAWKSWORTH

B. J. COPPINS, D. J. HILL, P. M. McMANUS,  
A. PENTECOST and D. H. S. RICHARDSON



ACADEMIC PRESS

LONDON            ORLANDO            SAN DIEGO  
NEW YORK        AUSTIN              BOSTON  
SYDNEY           TOKYO                TORONTO

ISSN 0024-2829

BRITISH LICHEN SOCIETY

OFFICERS 1986

*President and Senior Editor*

Professor D. L. Hawksworth, D.Sc., F.L.S., F.I.Biol., CAB International Mycological Institute, Ferry Lane, Kew, Surrey TW9 3AF.

*Vice-President*

B. J. Coppins, Ph.D., Royal Botanic Garden, Inverleith Row, Edinburgh EH3 5LR.

*Secretary*

T. H. Moxham, Department of Plant Sciences, University of Bath, Claverton Down, Bath, Avon BA2 7AY.

*Treasurer*

S. N. K. Tallowin, Lakeham Farm, Higher Ashton, Exeter EX6 7RB.

*Assistant Treasurer*

F. S. Dobson, F.L.S., Richmond Publishing Co. Ltd., Orchard Road, Richmond, Surrey TW9 4PD.

*Regional Treasurer (N. America)*

J. W. Sheard, Ph.D., Department of Biology, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

*Mapping Recorder*

M. R. D. Seaward, D.Sc., F.L.S., F.I.Biol., School of Studies in Environmental Science, The University, Bradford, West Yorkshire BD7 1DP.

*Editors*

B. J. Coppins    D. J. Hill    P. M. McManus    A. Pentecost    D. H. S. Richardson

*Bulletin Editor*

O. L. Gilbert, Ph.D., Department of Landscape Architecture, University of Sheffield, Sheffield S10 2TN.

*Librarian and Archivist*

D. H. Brown, D.Sc., Department of Botany, The University, Woodland Road, Bristol BS8 1UG.

*Conservation Officer*

V. J. Giavarini, B.A., 21 Woking Road, Parkstone, Dorset BH14 0BZ.

*Curator*

R. K. Brinklow, B.Sc., Dundee Museums and Art Galleries, Albert Square, Dundee DD1 1DA.

*Field Meetings Secretary*

C. J. B. Hitch, Ph.D., The Whin, Wadd Lane, Snape, Saxmundham, Suffolk IP17 1QY.

*Members of Council*

B. Benfield    D. H. Dalby    M. Gosling    F. Rose    P. M. McManus  
D. H. S. Richardson    F. J. White

Membership of the British Lichen Society is open to all persons anywhere in the world interested in any part of lichenology. Subscriptions, due on joining and afterwards on 1 January each year, are: ordinary members, £15; junior associate members, £6. Details of membership, activities of the Society and application forms may be obtained from the Secretary (address above). Members receive the *Bulletin* of the British Lichen Society and issues of *The Lichenologist* published in the year they join, and afterwards while they remain members of the Society, free of charge. Junior associate members do not receive *The Lichenologist*.

---

*The Lichenologist* (ISSN 0024-2829), 1987, Volume 19, 4 issues (January, April, July, October): Inland £70.00 including postage; abroad \$134.00 including postage. Subscription orders should be sent to Academic Press Inc. (London) Ltd, High Street, Foots Cray, Sidcup, Kent DA14 5HP, England (tel. 01-300 3322).

Send notices of change of address to the Assistant Treasurer and office of the Publishers at least 6-8 weeks in advance. Please include both old and new addresses.

Application to mail at second class postage rate is pending at Jamaica, NY 11003, U.S.A.

U.S. Postmaster: Send address changes to *The Lichenologist*, c/o Publications Expediting Inc., 200 Meacham Avenue, Elmont, NY 11003, U.S.A.

Air freight and mailing in the U.S.A. by Publications Expediting Inc., 200 Meacham Avenue, Elmont, NY 11003, U.S.A.